

10/049406

JC11 Rec'd PCT/PTO 06 FEB 2002

PTO/SB/08A (08-00)

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Substitute for form 1449A/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	
Sheet	1	of	3	Filing Date	
				First Named Inventor	WILLIAM W. FRENCH
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	2092.1-1

## U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		3,593,444		AKRONGOLD ET AL.	07/20/71	
		3,783,550		ANDREWS	01/08/74	
		3,860,300		LYMAN	01/14/75	
		3,899,223		BAERMANN	08/12/75	
		3,964,190		LEO	06/22/76	
		3,980,300		HORNSBY, JR.	09/14/76	
		4,023,289		CRAWFORD	05/17/77	
		4,043,614		LYMAN	08/23/77	
		4,085,533		EWALD	04/25/78	
		4,090,715		WAGNER ET AL.	05/23/78	
		4,142,383		EBERHART	03/06/79	
		4,176,469		DEARBORN	12/04/79	
		4,182,077		WAGNER ET AL.	01/08/80	
		4,196,899		PATTERSON	04/08/80	
		4,200,283		ANDREWS, ET AL.	04/29/80	
		4,227,327		THOMPSON	10/14/80	
		4,256,352		PETRAK ET AL.	03/17/81	
		4,310,987		CHIEFFO	01/19/82	
		4M419,283		SCHNEIDER	12/06/83	
		4,493,648		SUZUKI	01/15/85	

## FOREIGN PATENT DOCUMENTS

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		Office <sup>3</sup>	Number <sup>4</sup>				
			P2234186	TATSUYUKI	09/17/90		
			GR94100438	SOKRATIS	05/31/96		
			DE19600066	BARSKE	07/10/97		
			DE19706737	FUSHOELLER	08/27/98		
			DE3725723	STEINBRINCK	02/16/89		
			DE4137175	LANG	11/05/92		
			DE3626750	PLOCHOTNJUK	02/11/88		
			EPO595460	ITO	05/05/94		
			7803462	IWAMASA	11/28/95		
			JP7244457		09/19/95		

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Sheet	2	of	3	Attorney Docket Number	2092.1-1	

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		Number	Kind Code <sup>2</sup> (if known)			
		4,497,011		HURTIG	01/29/85	
		4,501,569		CLARK, JR.	02/26/85	
		4,582,498		TAMADA	04/15/86	
		4,602,173		BRISCOE ET AL.	07/22/86	
		4,634,343		NAKAMATS	01/06/87	
		4,643,034		FAVATELLA	02/17/87	
		4,728,871		ANDREWS	03/01/88	
		4,751,413		IZAWA	06/14/88	
		4,910,633		QUINN	03/20/90	
		5,135,525		ANDREWS ET AL.	08/04/92	
		5,237,764		GRAY	08/24/93	
		5,261,848		KAPLAN ET AL.	11/16/93	
		5,272,604		LIN	12/21/93	
		4,333,262		KIMURA	06/08/82	
		5,408,167		SHEA	04/18/95	
		5,435,086		HUANG	07/25/95	
		5,442,869		MCDARREN ET AL.	08/22/95	
		5,469,631		BURRILL ET AL.	11/28/95	
		5,483,131		ITO	01/09/96	
		5,589,721		HAN ET AL.	12/31/96	

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			JP7239652	TAKAGI	09/12/95	
			JP7210081	TAKAGI	08/11/95	
			JP7219426	TAKAGI	08/18/95	
			JP2151890		06/11/90	
			JP62034185		02/14/87	
			JP04276286		10/04/92	
			JP7072812A		03/17/95	
			JP10076074	HIROSE	03/24/98	
			JP9131467		05/20/97	
			JP10171383	HIROSE	06/26/98	

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